

**METHOD, APPARATUS AND SYSTEM FOR GUARANTEED PACKET
DELIVERY TIMES IN ASYNCHRONOUS NETWORKS**

ABSTRACT OF THE DISCLOSURE

5 A method and apparatus for guaranteeing packet delivery times in an
asynchronous network includes generating a global timing schedule to
synchronize the communication between the terminals of a network and, in
response to at least one trigger, transmitting and receiving data according to the
generated global timing schedule. To optimize bandwidth utilization, more than
10 one terminal may transmit data during a specific time slot of each time frame of
the global timing schedule as long as no more than one terminal attempts to
transmit data to a common other terminal.